UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

	1				
Attorney Docket No.	IB-1825				
First Inventor	Ki Ha Lee				
Title	Source-Independent Full Waveform Inversion of Seismic Data				
Express Mail Label No.	EV 240598962 US				

		Express Wall Laber 140.					
	PLICATION ELEMENTS r 600 concerning utility patent application contents.	ADDRESS TO: Commissi	Patent Application oner for Patents 1450 a VA 22313-1450				
2. X Applicant cla See 37 CFR 3. X Specification (preferred arra	Total Pages 33] angement set forth below)	7. CD-ROM or CD-R in duplic Computer Program (Apper 8. Nucleotide and/or Amino Acid 9 (if applicable, all necessary) a. Computer Readable	Form (CRF)				
 Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention 		 b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper 					
- Brief Summa	ary of the Invention btion of the Drawings (if filed)		identity of above copies				
- Claim(s)	•	ACCOMPANYING AP	PLICATION PARTS				
5. Oa <u>th o</u> r Declaratio	35 U.S.C. 113) [Total Sheets 4]	9. X 10. X 37 CFR 3.73(b) Stateme (when there is an assign English Translation Docu	nt Power of Attorney				
b. Copy from	n a prior application (37 CFR 1.63(d)) nuation/divisional with Box 18 completed)	Statement (IDS)/PTO-14 13. Preliminary Amendment	49 Citations				
i DELE	TION OF INVENTOR(S) statement attached deleting inventor(s)	14. Return Receipt Postcard (Should be specifically it 15. Certified Copy of Priority	emized) Document(s)				
name ii	n the prior application, see 37 CFR (2) and 1.33(b).	16. (if foreign priority is clain Nonpublication Request (b)(2)(B)(i). Applicant mu					
6. Application	n Data Sheet. See 37 CFR 1.76	or its equivalent.	nsmittal for payment				
	APPLICATION, check appropriate box, and supp		in the first sentence of the				
specification following	g the title, or in an Application Data Sheet under 3	7 CFR 1.76:					
Continuation	Divisional Continua	tion-in-part (CIP) of prior application	n No.:				
Prior application informa	ation: Examiner	Art Unit:					
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
	19. CORRESPON	DENCE ADDRESS					
X Customer Nur	mber: 08076	OR Corres	spondence address below				
Name			· · · · · · · · · · · · · · · · · · ·				
Address							
City	· · · · · · · · · · · · · · · · · · ·	State	Zip Code				
Country	7	elephone	Fax				
Name (Print/Type)	Joseph Ray Milner	Registration No. (Attorney/Agent)	42,896				
	Sperch for home		Date 3/11/2014				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

19 U.S. PT(

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

X Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 511.00

Complete if Known					
Application Number	Not Yet Assigned				
Filing Date	March 11, 2004				
First Named Inventor	Ki Ha Lee				
Examiner Name	Not Yet Assigned				
Art Unit	Not Yet Assigned				
Attorney Docket No.	IB-1825				

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None				3. ADDITIONAL FEES					
X Deposit Account:		Large	Entity	Small	Entity				
Deposit Account		120690		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number		120070		1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Name	Lawrence	Berkeley National	Laboratory	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
	is authorized t	o: (check all that apply,	,	1053	130	1053	130	Non-English specification	
(e(s) indicated b	. ==	y overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
X Charge any	y additional fee	(s) or any underpaymen	nt of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee	e(s) indicated be	elow, except for the fil	ing fee	1805	1.840*	1805	1.840*	Requesting publication of SIR after	
to the above-identified deposit account.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	Examiner action			
	FEE (CALCULATION		1251	110	2251	55	Extension for reply within first month	
1. BASIC F	ILING FEE			1252	420	2252	210	Extension for reply within second month	
Large Entity			5 5.44	1253	950	2253	475	Extension for reply within third month	
	Fee Fee Code (\$)	Fee Description	Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770	2001 385	Utility filing fee	385.00	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340	2002 170	Design filing fee	363.00	1401	330	2401	165	Notice of Appeal	
1003 530	2003 265	Plant filing fee		1402	330	2402	165	Filing brief in support of an appeal	
1004 770	2004 385	Reissue filing fee		1403	290	2403	145	Request for oral hearing	
1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	١ ,	SUBTOTAL (1) (\$)	385.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1453	1,330	2453	665	Petition to revive - unintentional			
Z. EXTRA	CLAIM FEE	Fee	from	1501	1,330	2501	665	Utility issue fee (or reissue)	ļ
Total Claims 18 20** = 0 X = 0		1502	480	2502	240	Design issue fee			
			1503	640	2503	320	Plant issue fee	<u> </u>	
Claims Multiple Depe	<u> </u>	••= [2 x	13 = 86	1460	130	1460	130	Petitions to the Commissioner	
l		<u> </u>		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Fee Fee	Small Entity Fee Fee	Y Fee Description		1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) 1202 18	Code (\$) 2202		: 20	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18	2202			1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290	2203 145		•	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent		1801	770	2801	385	Request for Continued Examination (RCE)			
1205 18	2205		n excess of 20	1802	900	1802		Request for expedited examination of a design application	
		Other fee (specify)							
**************************************		BTOTAL (2) (\$)	86.00		٠.		Filing F	ee Paid SUBTOTAL (3) (\$)	40.00
OF HUITIDE	n previously pa	id, if greater; For Reiss	100, 500 AUUVO	•				σσσ.σ (σ, [(ψ)	70.00

SUBMITTED BY		(Complet	(Complete (if applicable)		
Name (Print/Type)	Joseph Ray Milner	Registration No. (Attorney/Agent) 42,896	Telephon	⁹⁰ 510-486-4672	
Signature	Joseph Lay mitin		Date	March 11, 2004	

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